



**William H.Q. Bow, P.E.
C.E.O. and Principal Engineer**

Bill started Bow Engineering back in 1997. He has over 44 years of civil engineering experience with planning, design, and construction administration. As the C.E.O. and Principal Engineer, Bill provides project leadership, management, and quality assurance to ensure that projects can be designed and built on schedule and under budget.

Bill has produced many successful projects across the state, including several projects which were recognized as being outstanding by the American Society of Civil Engineers (ASCE) and the American Council of Engineering Companies of Hawaii (ACECH). He has extensive knowledge in hydraulic design, hydrologic analysis, utility system design, subdivision site development, trenchless construction techniques, highway and roadway planning, master planning, and drainage/water/sewer system design.

Years of Experience:

*Combined: 44 Years
With this firm: 23 Years*

Education:

*B.S. Civil Engineering
University of Hawaii*

Registration:

*Civil Engineer, Hawaii
License #4904 (1980)
Exp. 04/2022*

Professional Affiliation:

*American Society of Civil
Engineers (ASCE)*

*Disability Communications
Access Board (DCAB) Chairman*

*American Council of
Engineering Companies of Hawaii*

Water Environment Federation

American Water Works Assoc.

*International Erosion
Control Association*

Project Experience:

- Kalanipuu at Kaua'i Lagoons, Lihue, Kaua'i
- Ninini Point Residences, Kaua'i
- Timbers Hotel - Lot 9 C, D, & E, Kaua'i
- Silverwest Hotel, Kaua'i
- Kaua'i Marriott Hotel Renovations, Kaua'i
- Kaua'i Lagoons Water and Sewer System Master Plan, Lihue, Kaua'i
- Koae Workforce Development, Kaua'i
- Waimea Affordable Housing, Kaua'i
- Waimea Habitat for Humanity, Kaua'i
- Waimea Canyon Park ADA Improvements, Kaua'i
- Kekaha Faye Park ADA Improvements, Kaua'i
- Makaha Oceanview Estates Condominium Development, Makaha, Oahu
- Kolopua Affordable Housing, Kaua'i
- Gateway North Shopping Center, Mililani, Oahu
- Princeville Shopping Center Expansion, Princeville, Kaua'i
- Rice Camp Affordable Housing, Lihue, Kaua'i
- Lihue Water System 8-Inch Main Replacement, Lihue, Kauai



William H.Q. Bow, P.E.
C.E.O.

QUALIFICATIONS: Forty-Five (45) years of broad, successful experience in designing numerous civil engineering projects of different scales. Experience gained through responsible positions as owner of Bow Engineering & Development, Inc. and Bow Construction Management Service, Inc., Principal Engineer. Extensive experience in project management, planning, engineering design, consulting, operations and maintenance, real estate development and contracting, from roadway, parking, water, sewer and drainage system designs to real estate planning and implementation strategies for land development, subdivision and condominium projects. Projects include commercial, residential, recreational, industrial, agricultural and military facilities.

Specialization: Hydraulic Design
Hydrologic Analysis
Subdivision Site Development Planning
Highway and Roadway Planning and Design
Utility Systems Design
Project Management
Housing Feasibility Studies
Sewage and Water System Master Planning

Education: Bachelor of Science, Civil Engineering
Hydraulic and Sanitary major
University of Hawai'i at Manoa, 1976

Registration: Civil Engineer, Hawaii, Certificate #4904 (1980)

Professional Affiliation: State of Hawaii -Disability Communications Access Board (DCAB)
(Past Chair in 2018-2019, Board Member 2016-2020)
American Council of Engineering Companies of Hawaii (ACECH)
(Hawaii Section Past President in 2014-2015, Current Member)
American Society of Civil Engineers
(Hawaii Section Past President in 1984-1985, Current Member)
University of Hawaii, Engineering Alumni Association
(Past President in 1989-1990, Current Member)
University of Hawaii Alumni Association
(Director in 1990-1992, Member)
Water Environment Federation (Member)
American Water Works Association (Member)
International Erosion Control Association (Member)

Community Affiliation: Pearl Harbor Rotary Club, Past-President
Starts Plaza AOA, Board Member



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Work Experience:

1997 - Present Bow Engineering & Development, Inc., Honolulu, President
2008 - 2014 Bow Construction Management Service, Inc., Kauai, President
1995 - 1998 SSFM Engineers, Inc., Honolulu, Principal/Project Manager
1991 - 1995 Savio Development Co., Inc., Honolulu, Project Director
1984 - 1991 M&E Pacific, Inc., Honolulu, Project Manager
1981 - 1984 Gray, Hong & Associates, Honolulu, Project Engineer
1976 - 1981 Belt, Collins & Associates, Honolulu, Project Engineer

Experience by Discipline:

Hydrology

- Drainage Study for Servco Mapunapuna (Oahu)
- Floodway Determination for Kawaihapai Subdivision (Oahu)
- Kawainui Marsh Levee Flood Hazard Abatement (Oahu)
- Drainage Study and Master Plan for the Hokuala Resort (Kauai)
- Drainage Study for Koaleo St. Residence (Oahu)
- Drainage Study for Prince Jonah Kuhio Kalaniana'ole (PJKK) Federal Building Courtyard Flooding (Oahu)
- Drainage Study for Marianist Center Master Plan (Oahu)
- Drainage Study and Drainage Improvements for Krauss Hall, University of Hawaii at Manoa, Honolulu (Oahu)
- Sueoka Store Flood Study, Koloa (Kauai)

Highways and Roads

- Kamokala Road Repairs at Pacific Missile Range Facility (Kauai)
- Nawiliwili Road Improvements (Kauai)
- Kamehameha Schools Kapalama Campus Roadway and Intersection (Oahu)
- Hawaii Belt Road Umauma Stream Bridge Rehabilitation (Big Island)
- Nohili Road Repaving at Pacific Missile Range Facility (Kauai)
- Rice Street-Kapule Intersection Improvements (Kauai)

Site Development Design and Studies

- Waimea Huakai and Habitat for Humanity Affordable Housing (Kauai)
- Hokuala Residences at Ninini Point (Kauai)
- Waiehu Golf Course Clubhouse Feasibility Study (Maui)
- Koae Workforce Housing (Kauai)
- Kahana Valley Environmental Assessment and Wastewater Study (Oahu)
- Rice Camp Affordable Housing (Kauai)
- Koloa at Princeville Affordable Housing (Kauai)
- Kolo Place Apartment Residences (Oahu)
- Makaha Oceanview Estates Condominium Development (Oahu)
- Green Homes at Lualualei Affordable Housing (Oahu)
- Kalanipuu at Kauai Lagoons, Lihue (Kauai)
- Kiele Bypass Road and Fashion Landing, Lihue (Kauai)
- Marriott Vacation Club International, Lihue (Kauai)
- Kauai Lagoons Resort Subdivisions, Lihue (Kauai)
- Kamamalu Affordable Housing Phase I at Kauai Lagoons, Lihue (Kauai)
- Courtyards at Waipouli (Kauai)



- Waialua Agricultural Subdivision, Haleiwa (Oahu)

Multidiscipline

- UH Walkways Restoration and Improvement Master Plan (Oahu)
- Lyon Arboretum Various Health and Safety Improvements (Oahu)
- Diamond Head State Monument Sewer Lift Station & Emergency Generator (Oahu)
- North Shore Gateway Starbucks and Commercial Building (Oahu)
- Gateway South Commercial Building at Mililani Mauka (Oahu)
- Gateway North Shopping Center at Mililani Mauka (Oahu)
- Princeville Center Commercial Expansion (Kauai)
- American Electric Warehouse Building (Oahu)
- Monsanto Agricultural and Research Processing Facility (Oahu)
- Tripler Army Medical Center Renovation (Oahu)
- Tripler Gym, Bldg. 300 (Oahu)
- Kamehameha Schools Repair and Maintenance, Honolulu (Oahu)
- Tot Lots for Public Works Center, U.S. Department of the Navy (Oahu)

